

- Electrical safety switch controlled by liquid or gaseous pressure for use in e.g. carpet cleaner - has annular magnet carried on membrane sensitive to fluid pressure and coupled to central magnet which displaces contacts.

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IN BUFFET, J C; RAUT, L

PA (EAYT) EATON SA MONACO; (EAYT) EATON CORP

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EP 718861 A1 19960626 (199630) FR 8p

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The safety switch includes a body (10) having a channel (11) with a venturi region (28,29,30) for the flow of fluid in communication (23) with a chamber (22). The fluid acts on the membrane (24) within this chamber against the push of a return spring (26). The membrane is fixed around its edge between the body and the insulating casing (9) and supports an annular magnet (25).

The annular magnet surrounds a sealed and electrically isolated enclosure (19) which houses and guides the central magnet (20) which moves axially to displace a moving contact (18) relative to a fixed contact (17).

USE/ADVANTAGE - Protective switch for carpet cleaner. Discriminates between air and water flow when reservoir exhausted. Simpler, less costly manufacture.

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